

Emission Summary

Permit Number: 070968P

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐ **Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☒ NESHAPs ☒ **Previous Permit Number:** Construction 970442P Operating _____

| | Pounds/Hour | | | Tons/Year | | | | Date of Data | * | Applicable Standard |
|---------------------|-------------|-----------|-------------------------------|-------------|-----------|-------------------------------|------------|--------------|---|---------------------|
| | Actual | Potential | Allowable** | Actual | Potential | Allowable | Net Change | | | |
| PM | ≤ allowable | | 0.08 | ≤ allowable | 0.02 | 0.02 | | 10/27/15 | 1 | 40 CFR §60.4205(b) |
| SO ₂ | | Neg. | -- | | Neg. | -- | | | 2 | 1200-03-14-.03(5) |
| CO | ≤ allowable | | 1.38 | ≤ allowable | 0.35 | 0.35 | | | 1 | 40 CFR §60.4205(b) |
| VOC*** | ≤ allowable | | Included with NO _x | ≤ allowable | | Included with NO _x | | | 1 | 40 CFR §60.4205(b) |
| NO _x *** | ≤ allowable | | 1.58 | ≤ allowable | 0.39 | 0.39 | | | 1 | 40 CFR §60.4205(b) |
| HAPs | | | | | Neg. | -- | | | 3 | |
| | | | | | | | | | | |

The SO₂ emissions were calculated using 15 ppm sulfur content of the fuel (NSPS requirement), assuming all available sulfur is converted to SO₂, and shown to be negligible.

HAPs emissions were calculated from AP-42, Table 3.3-2, and shown to be negligible.

CO₂e emissions were calculated using the emission factors in 40 CFR 98, Tables C-1 and C-2.

The ton per year emissions were calculated at 500 hours of operation / year based on the guidance found in the Seitz memo regarding the PTE determination for emergency engines. Allowable emissions for fee purposes are equal to the potential emissions.

* Source of data codes are found on the back of the APC 100.

** The allowable emission limits from 40 CFR part 60 Subpart IIII are in units of grams/kilowatt-hour. Each standard was reduced to lb/hr using the engine power output, in kilowatts, and a conversion factor of 453.592 gram per pound.

*** The applicable standard in §60.4205(b) & §89.112, Table 1 is in terms of NO_x + NMHC; therefore, the allowable VOC emissions are accounted for in NO_x

PERMITTING ENGINEER: TFR

DATE: February 5, 2016